

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2005/011886A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04J14/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04J H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/055111 A (NOKIA CORPORATION; TERVONEN, ARI; HIRONEN, OLLI-PEKKA) 3 July 2003 (2003-07-03) page 1, line 5 - line 12 page 11, line 26 - page 17, line 7 -----	1-22
X	EP 0 782 285 A (AT&T CORP) 2 July 1997 (1997-07-02) column 1, line 7 - line 10 column 3, line 3 - line 14 column 3, line 24 - column 4, line 19 column 6, line 8 - column 11, line 16 -----	1-22
A	EP 0 938 205 A (JDS FITEL INC) 25 August 1999 (1999-08-25) paragraph '0001! paragraph '0029! ----- -----	2,3, 11-14

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
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Date of the actual completion of the international search	Date of mailing of the international search report
28 July 2005	04/08/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016	Authorized officer  Alonso Martin, M.E.

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**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 388 963 A (CHOI, JUN-KOOK) 11 February 2004 (2004-02-11) paragraph '0001! paragraph '0084! – paragraph '0089! -----	15, 16

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Information on patent family members

International Application No

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		EP 1464131 A1			06-10-2004
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